



## Interpretation of 1D and 2D NMR spectra from the browser [SP-13] NEU

### Goal

This course is focussed on the interpretation of spectra and we will not discuss the different acquisition techniques. It will involve a lot of exercises during which the participants will use various tools that are available on the internet for free and that we have developed like:

- [www.nmrium.org](http://www.nmrium.org)
- [www.nmrdb.org](http://www.nmrdb.org)

### Target Group

Users that would like to refresh their knowledge in nuclear magnetic resonance in order to quickly analyse and share NMR spectra directly from webbrowser.

### Content

During this course the following topics will be discussed:

- magnetically equivalent atoms, chemical shifts, coupling constants, second order effect (simulation)
- proton, carbon, COSY, HSQC, HMBC, NOESY
- molecule assignment
- metabolomics (comparing several hundreds of spectra)

### Approach

The class will involve a lot of exercises and participants should bring their own laptop with Google Chrome installed. They should also check that the website <https://www.nmrium.org> works from their laptop.

## Propriétés de l'événement

<b>Date de l'événement</b>	mercredi 5 juin 2024 - mercredi 5 juin 2024
<b>Registration Start Date</b>	lundi 30 novembre -0001
<b>Date butoir</b>	lundi 30 novembre -0001
<b>Prix individuel</b>	Mitglied CHF 600.00, Nichtmitglied CHF 750.00, Studierende/Doktorierende/AHV CHF 320.00
<b>Langue de cours</b>	English
<b>Lieu</b>	Olten, Olten